

Play:	6111	Missourian Sandstone Oil and Gas	
Province:	61	Southern Oklahoma	
Geologist:	Henry, M.E., and Hester, T.C.		Status: confirmed

Play Attributes: Probability of Occurrence

Charge	1.00
Reservoir rock	1.00
Traps	1.00
Play Probability	1.00

Size of Undiscovered Accumulations (>1 MMBOE) (Conditional):

	<u>Oil Accumulations</u>	<u>Gas Accumulations</u>
Median	3 MMBO	10 BCFG
F5 of Largest Accumulat	15 MMBO	50 BCFG
TSP Shape Factor	3	4
Mean (calculated)	4.1 MMBO	13.1 BCFG

Number of Undiscovered Accumulations (>1 MMBOE) (Conditional):

	<u>Oil Accumulations</u>	<u>Gas Accumulations</u>
Minimum	1	1
Median	2	2
Maximum	6	4
Mean (calculated)	2.7	2.2

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Ratio of Associated-Dissolved Gas to Oil:	1,400 CFG/bbl
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Ratio of NGL to Non-Associated Gas:	12 bbl/MMCF
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Ratio of NGL to Associated-Dissolved Gas:	50 bbl/MMCF
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API Gravity (degrees):	<u>minimum</u>	<u>mean</u>	<u>maximum</u>
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Depth of Oil Accumulations (ft):	<u>minimum</u>	<u>median</u>	<u>maximum</u>
	700	3,300	12,000

Depth of N-A Gas Accumulations (ft):	<u>minimum</u>	<u>median</u>	<u>maximum</u>
	6,000	7,200	12,000

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Estimated Resources:

Oil (MMBO)

<u>F99</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F1</u>	<u>mean</u>	<u>s.d.</u>
1.10	1.50	4.10	8.60	15.50	27.20	36.30	10.80	8.20

NGL (MMBNGL)

<u>F99</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F1</u>	<u>mean</u>	<u>s.d.</u>
0.15	0.19	0.46	0.90	1.56	2.68	3.57	1.10	0.80

Associated-Dissolved Gas (BCFG)

<u>F99</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F1</u>	<u>mean</u>	<u>s.d.</u>
1.54	2.10	5.74	12.04	21.70	38.08	50.82	15.10	11.48

Non-Associated Gas (BCFG)

<u>F99</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F1</u>	<u>mean</u>	<u>s.d.</u>
6.20	7.10	14.70	25.00	39.30	64.70	85.90	29.10	18.70